

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): W. Chou et al.  
Case: 503038-A-01-US (Chou)  
Serial No.: To Be Assigned  
Filing Date: March 31, 2004  
Group: To Be Assigned  
Examiner: To Be Assigned  
  
Title: Joint Classification for Natural Language  
Call Routing in a Communication System

---

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

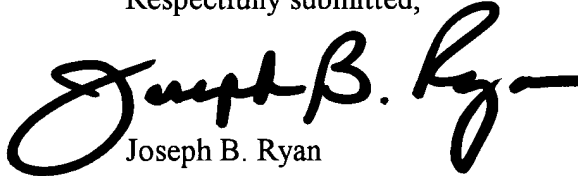
Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants' attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying Form PTO-1449. A copy of each listed document is enclosed.

1. L. Li et al., "An Information Theoretic Approach for Using Word Cluster Information in Natural Language Call Routing," Proceedings of EuroSpeech '03, pp. 2829-2832, September 2003.
2. S. Deerwester et al., "Indexing by Latent Semantic Analysis," Journal of the American Society for Information Science, Vol. 41, 34 pages, 1990.
3. J. Chu-Carroll et al., "Vector-Based Natural Language Call Routing," Computational Linguistics, 25(3), pp.1-28, 1999.
4. L. Li et al., "Improving Latent Semantic Indexing Based Classifier with Information Gain," Proc. of the 7th International Conference on Spoken Language Processing, Vol. 2, 4 pages, Sept. 2002.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability, or as a representation that no other material information exists.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Joseph B. Ryan", with a long horizontal flourish extending to the right.

Date: March 31, 2004

Joseph B. Ryan  
Reg. No. 37,922  
Attorney for Applicant(s)  
Ryan, Mason & Lewis, LLP  
90 Forest Avenue  
Locust Valley, NY 11560  
(516) 759-7517

**FORM PTO-1449 (MODIFIED)****LIST OF PUBLICATIONS FOR  
APPLICANT'S INFORMATION  
DISCLOSURE STATEMENT**

Applicant(s): W. Chou et al.  
Case: 503038-A-01-US (Chou)  
Serial No.: TBA  
Filing Date: March 31, 2004  
Group: TBA

---

**U.S. PATENT DOCUMENTS**

EXAMINER						FILING DATE
INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUBCLASS	IF APPROPRIATE	

---

---

**FOREIGN PATENT DOCUMENTS**

EXAMINER						TRANSLATION
INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS/SUBCLASS	YES	NO

---

---

**OTHER DOCUMENTS**

EXAMINER				
INITIAL	REF NO.	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.		

---

- 1. L. Li et al., "An Information Theoretic Approach for Using Word Cluster Information in Natural Language Call Routing," Proceedings of EuroSpeech '03, pp. 2829-2832, September 2003.
- 2. S. Deerwester et al., "Indexing by Latent Semantic Analysis," Journal of the American Society for Information Science, Vol. 41, pp. 34 pages, 1990.
- 3. J. Chu-Carroll et al., "Vector-Based Natural Language Call Routing," Computational Linguistics, 25(3), pp.1-28, 1999.
- 4. L. Li et al., "Improving Latent Semantic Indexing Based Classifier with Information Gain," Proc. of the 7th International Conference on Spoken Language Processing, Vol. 2, 4 pages, Sept. 2002.

---

Examiner

Date Considered

---

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.